Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

· 1	Claims 1-9 (canceled).
1	10. (Currently amended) A vibratable aperture plate comprising:
2	a vibratable member that is configured to vibrate upon application of an electrical
3	signal;
4	a plate body operably coupled to the vibratable member, the plate body having a
5	top surface, a bottom surface, and a plurality of apertures extending from the top surface to the
6	bottom surface, wherein each aperture is defined by a tapered portion which tapers inward from
7.	the bottom surface toward the top surface and a flared portion that extends from the top surface
8	toward the bottom surface and that flares away from the tapered portion, and wherein the flared
9	portion and the tapered portion have the same share an axis of symmetry such that when a liquid
10 -	is supplied to the bottom surface and the aperture plate is vibrated using the vibratable member,
11	liquid droplets are ejected through the flared portion, wherein the plate body is electroformed to
12	produce the apertures, and wherein the tapered portion at an intersection with the flared portion
13	has a size in the range from about 1 micron to about 10 microns.
1	11. (Original) An aperture plate as in claim 10, wherein the plate body is
2	constructed from materials selected from a group consisting of palladium, palladium nickel and
3	palladium alloys.
1	12. (Original) An aperture plate as in claim 10, wherein the plate body
2	includes a portion that is dome shaped in geometry.
1	13. (Original) An aperture plate as in claim 10, wherein the plate body has a
2	thickness in the range from about 20 microns to about 70 microns.
1	14. (Original) An aperture plate as in claim 10, wherein the apertures have an
2	exit angle that is in the range from about 41° to about 49°.
1	Claims 15-30 (canceled)

31. (Currently amended) An vibratable aperture plate comprising:
a vibratable member that is configured to vibrate upon application of an electrical
signal;
a plate body operably coupled to the vibratable member, the plate body having a
top surface, a bottom surface, and a plurality of apertures extending from the top surface to the
bottom surface, wherein the apertures each include an upper portion and a lower portion, wherein
the lower portion extends upwardly from the bottom surface and is generally concave in
geometry, and wherein the upper portion is tapered in a direction from the top surface to the
bottom surface and intersects at an intersection with the lower portion which flares outward such
that when a liquid is supplied to the top surface and the aperture plate is vibrated using the
vibratable member, liquid passes through the upper portion and is ejected through the lower
portion as liquid droplets, wherein the plate body is electroformed to produce the apertures, and
wherein the upper portion at the intersection has a size in the range from about 1 micron to about
10 microns.
32. (Currently amended) An aperture plate as in claim 31, wherein upper
portion has an angle of taper that is in the range from about 30° to about 60° at the intersection
with the lower portion, and a diameter that is in the range from about 1 micron to about 10
microns at the intersection with the lower portion.
33. (Original) An aperture plate as in claim 32, wherein the lower portion has
a diameter at the lower surface that is in the range from about 20 microns to about 200 microns, a
height in the range from about 4 microns to about 20 microns.
34. (Currently amended) An aperture plate as in claim 31, wherein the bottom
surface is adapted to receive a liquid, and wherein the plate body is vibratable to eject liquid
droplets from the front top surface.
droplets from the front top surface. Claims 35-36 (canceled).

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- 1 38. (Previously added) An aperture plate as in claim 10, wherein the plate
- 2 body has a thickness of at least about 20 microns.